FY07 Annual Recycling Award

Agency Award: Missouri Department of Transportation — Construction and Materials Division

In FY07 the State Recycling Program recognized the Missouri Department of Transportation's Construction and Materials Division for their exceptional efforts to recycle large amounts and varieties of materials into Missouri's highways.

The Missouri Department of Transportation (MoDOT) allows use of recovered materials in building and maintaining Missouri's highways. By allowing contractors to use reclaimed rubber from tires, cement kiln dust, asphalt millings, and asphalt shingles MoDOT helps keep these resources out of landfills and also supports markets for these materials. The total over the past four years amounts to the recycling of more than 1,840,684 tons (3.6 billion pounds!) of material that may have otherwise been classified as waste and may have ended up in a landfill.

Materials used in construction projects over the past four years include:

- 51,200 tons of fly ash
- 2,800 tons of cement kiln dust
- 51,600 tons of boiler slag
- 169,000 tons of steel slag
- 801,600 tons of mine chat
- 704,900 tons of recycled asphalt pavement
- 6,930 tons of shingles
- 654 tons of ground tire rubber
- 29,400 tons of hot in-place recycled asphalt
- 22,300 tons of cold in-place recycled asphalt

The 6930 tons of shingles is equivalent to 73,333 squares of shingles or the amount from 305 average homes. The 654 tons of ground tire rubber is equivalent to 83,000 car tires or the amount from 20,750 cars.

MoDOT has continued to allow increased use of recycled materials in highways. For example, in 2003 60,000 tons of recycled asphalt pavement were used in about 20 center lane miles of highway and by 2006 this amount had expanded that amount to 3,000,050 tons or about 1,020 center lane miles.

In addition, MoDOT cleans up over 80,000 passenger tire equivalent (over 600 tons) tires discarded on the state highways every year which is ground up and used as tire derived fuel in power plants, replacing coal used for electric power.